



SCHOOLHOUSE RE-ENGINEERING

NITRAS Configuration Control Board Meeting

29 January 2001

Ms. Angela G. Heard

Chief of Naval Education and Training

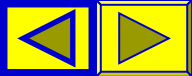
Education and Training Station (ETS) Division

ETS Mission

Assist CNET to:

- Move More Competent Sailors to the Fleet in Less Time
- Achieve Efficiencies in Cost and Time to Train
- Ensure most appropriate learning methods and technologies are employed efficiently to meet education and training requirements





ETS DIVISION DIRECTOR
SAUNDRA K. DRUMMER
ETS

CONTRACTOR
SUPPORT
D MATHIS
M STINSON

DEPUTY DIRECTOR
P K FERGUSON
ETSA

SECRETARY
R R TRAJANO
ETSS

RESOURCE
ANALYST
J S CLARK
ETS4

SCHOOLHOUSE
RE-ENGINEERING
A G HEARD
ETS1

DISTRIBUTED
LEARNING
B DYAS
ETS2

PROGRAM
COOR
J BASKIN
ETS11

PROGRAM
MGR
E B CHENETTE
ETS12

PROGRAM
MGR
F JEFFERY
ETS13

PROGRAM
MGR
E DOTSON
ETS14

PROGRAM
MGR
A SLATER
ETS21

PROG
ANALYST
P A DAVID
ETS22

NEW ACQUIS/
NTSPS
S G BERK
ETS23

PROG
MGR
VACANT
ETS24

CONTRACTOR
SUPPORT
J LACEY
K COSBY
G DEGUZMAN
VACANT

SENIOR
ENLISTED
VACANT

OFFICER
VACANT

CONTRACTOR
SUPPORT
B STANKOWSKI
K DECKER
S. SMITH
M. MOORE
B RUTLEDGE

Schoolhouse Re-engineering

- Collaborative effort between CNET, schools, and instructional technology professionals to execute a carefully planned integration of the most appropriate technology into the most effective learning process to build a Total Training System.
- Our focus is to motivate adult learners by providing them what they need from a learning experience:
 - To understand why the information to be learned is important,
 - To have the opportunity to engage actively in

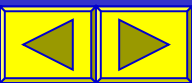


What We Are Doing Differently

- **Conducting Curriculum Analyses**
 - Learning Theories
 - Course Content
 - Students
 - Training Environment

• **Optimizing Learning/Motivational**

Strategies Changing the Role of the Instructor



Schoolhouse Re-

engineering Process

Identify
Course

Curriculum Analysis

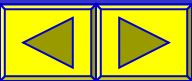
Roundtable

Curric./Crseware
Development

Site/Classroom
Preparation

Installation &
Staff Training

**Follow-up/
Life Cycle**

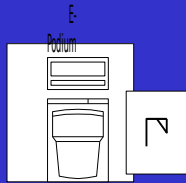


Schoolhouse Re-engineering Technologies

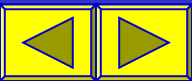
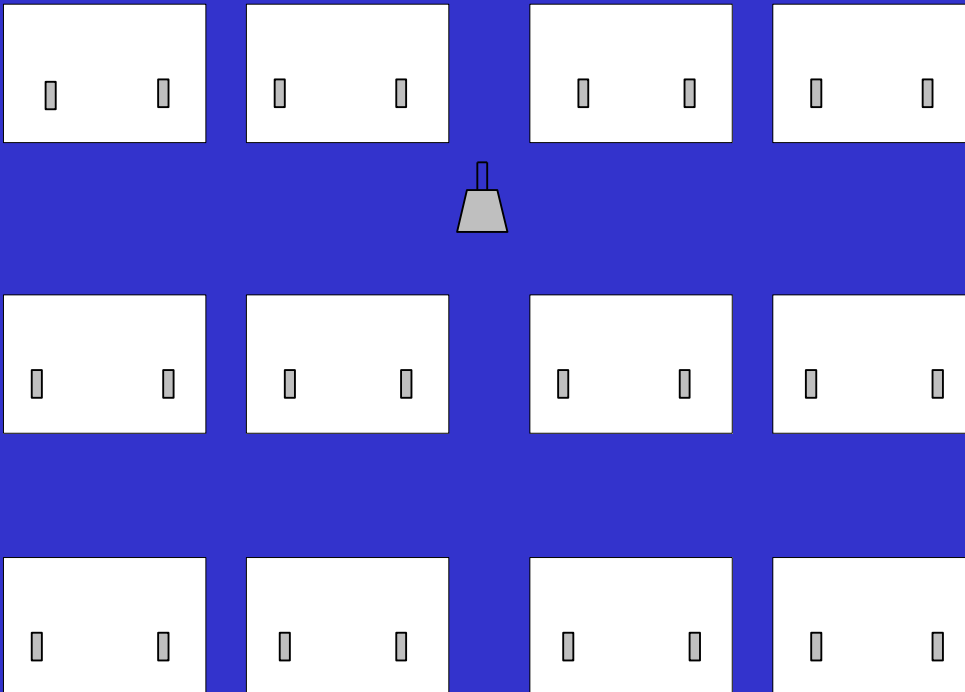
- Automated Electronic Classrooms (AEC)
 - Instructor Led
- Learning Resource Centers (LRC)
 - Self-Paced/Instructor Guided
- Interactive Multi-Sensor Analysis Trainer (IMAT)
- Presentation Technology Classrooms (PTC)



Introductory Automated Electronic Classroom (I-AEC)



Smart Board



Electronic Podium

High-End Multi-Media PC running numerous presentation tools. The Electronic Classroom Integration Software (ECIS) allows seamless flow into all media

Interactive Dry Write Board

Captures instructor white board notes by digitizing white board actions, storing, and projecting them on demand later.

Digital Projection System

Mounted in overhead to prevent distraction.

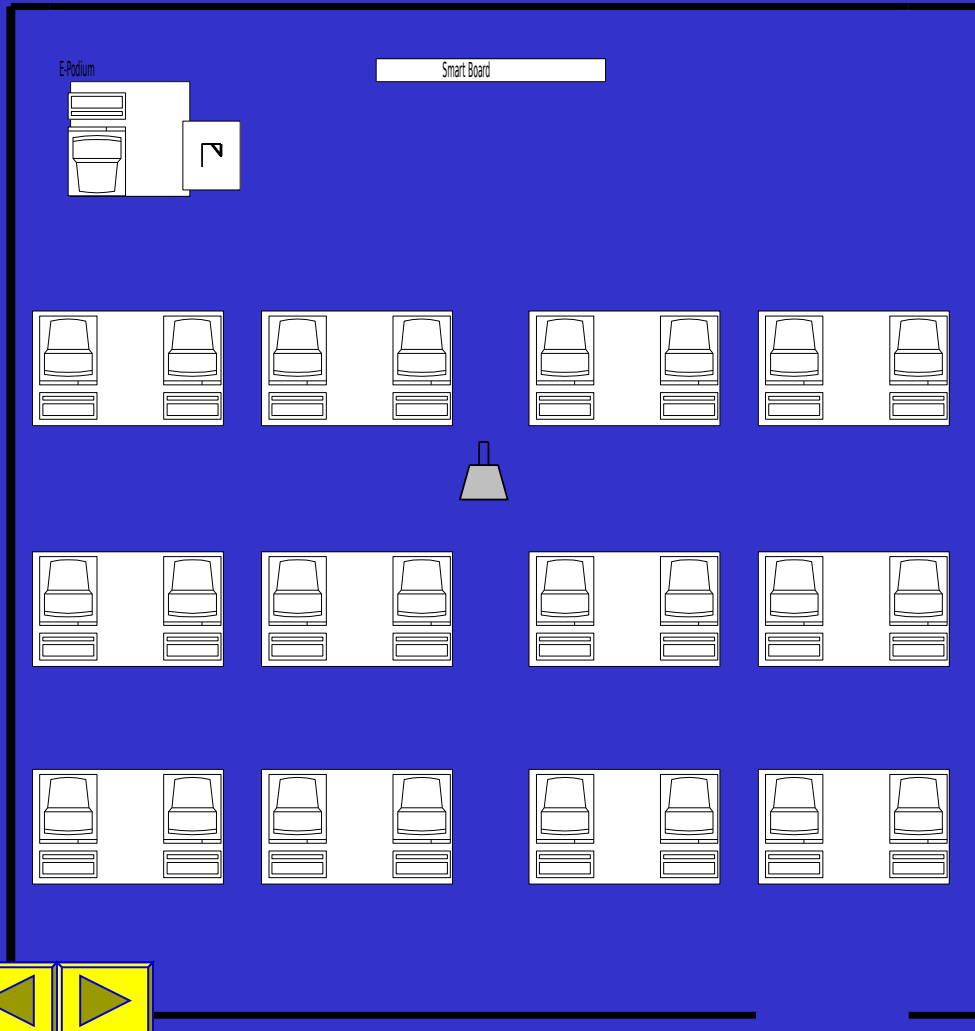
Document Camera

Projects hardcopy materials and magnified objects

Individual Responder Keypads

Wireless alpha-numeric keypads held by each student which allow individual performance monitoring. The heart of the AEC.

Advanced Automated Electronic Classroom (A-AEC)



Electronic Podium

High-End Multi-Media PC running numerous presentation tools. The Electronic Classroom Integration Software (ECIS) allows seamless flow into all media.

Interactive Dry Write Board

Captures instructor white board notes by digitizing white board actions, storing, and projecting them on demand later.

Digital Projection System

Digital projector is mounted in overhead to prevent distraction.

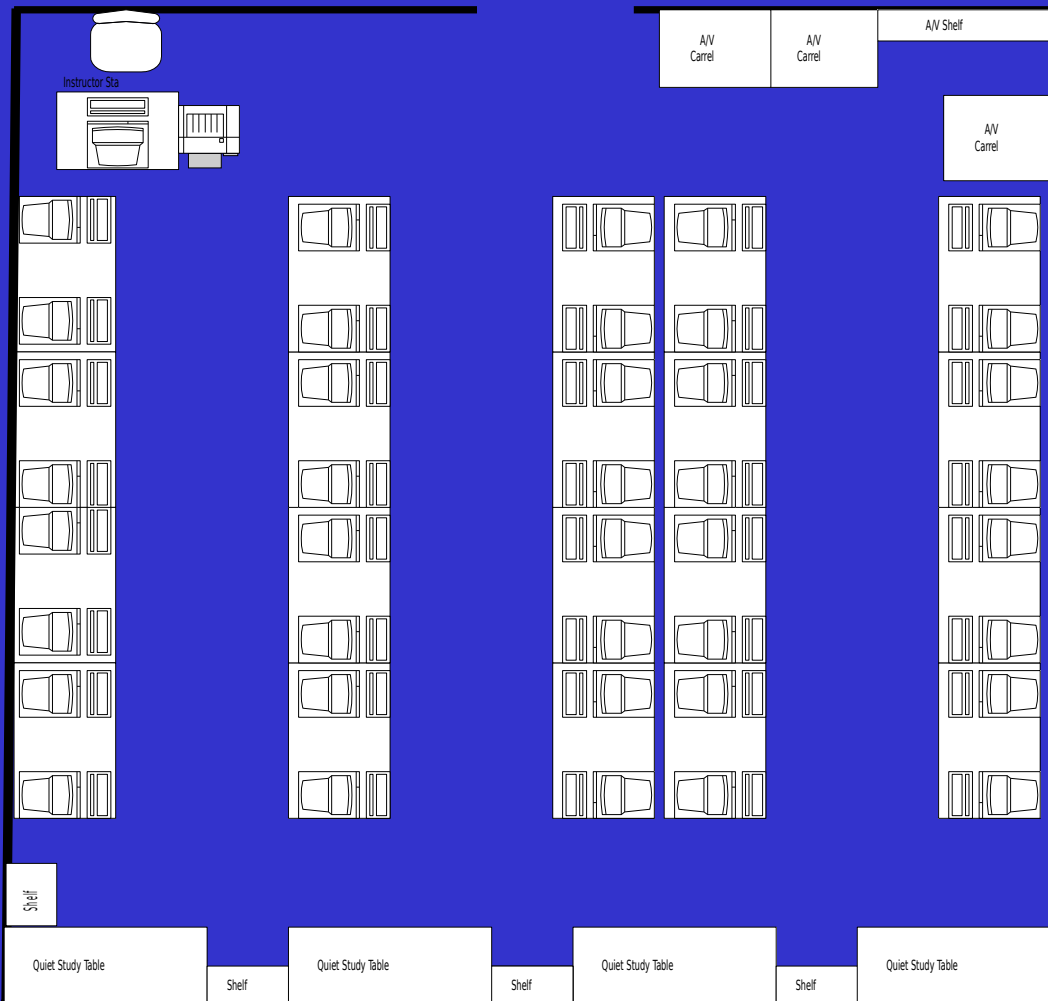
Document Camera

Projects hardcopy materials and magnified objects.

Individual workstations

Each student has a PC to allow individual manipulation of IETM / ETM, electronic tests, or ICW for practice, remediation, or acceleration.

Learning Resource Centers (LRC)



Instructor Station

Instructor / LRC Operator Station provided to allow IMI lesson - home work assignment, remote monitoring of individual student progress, logging of students using non-networked facilities (A/V, Quiet Study).

Student Workstation

Each student has a workstation to view training resources (NEETS, ETM, TGs..). Primary use is for completion of IMI lessons. Lessons may be used for remediation, homework, or read-ahead.

Audio / Visual Carrels

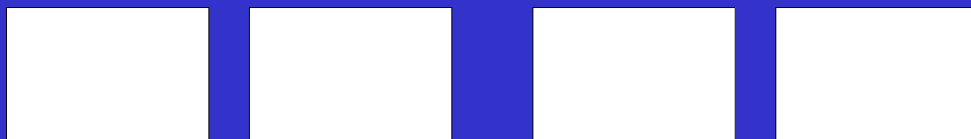
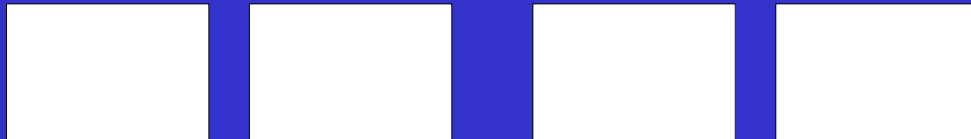
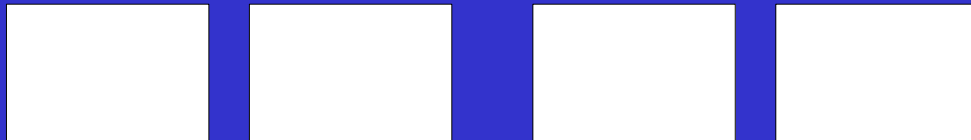
Provide for use of Non-Digital Video

Quiet Study Tables

Extensive paper libraries are available for student use.



Presentation Technology Classroom (PTC)

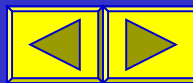


Computer

Stationed on podium or desk

Digital Projection System

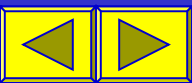
Mounted in overhead to prevent distraction.



FY 2000 Projects

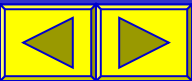
COURSE	LOCATION	COURSE	LOCATION
Basic Qual Course	Athens	TST	FTCNORVA
Hazmat	Athens	ASTAC	FTCNORVA
Boost	Newport	EOD Basic	Eglin
SWOS DH	Newport	EOD Surface	Eglin
SWOS DO	Newport	AETC NIDA	SSC
Officer IT	Newport	FC"A"	SSC
MW Officer	Ingleside	GM"A"	SSC
MN"A"	Ingleside	E-Core	SSC
SQQ-32	Ingleside	ET Comm	SSC
ASTAC	FASW	BU"A"	Gulfport
Info Sys Maint	FCTCLANT	CM"A"	Port H
CIWS	FCTCLANT	*MS "A"	Lackland AFB
Mk41 VLS	FCTCLANT	*AG	Keesler
Tomahawk VLS	FCTCLANT	*C-4I Trng	NTTC Comy
OS"A"	FCTCLANT	*YN "A" (classroom)	NTTC Meridian
Tomahawk VLS	FCTCPAC	*SK "A" (classroom)	NTTC Meridian
Mk41 VLS	FCTCPAC	*RP "A"	NTTC Meridian
Officer IT	FTC SD	*DK "A"	NTTC Meridian
ET "C" COM	FTC SD	Various Aviation "C"	NAMTRAGRU DET
ISM	FTC SD	Various "A"	NATTC
HF Ops & Maint	FTC SD	*Submarine Officer	NSS New London
CIWS	FTC SD	LRCs	LTAs (6)
		*AECs/LRCs	Yokosuka

*** emergent requirements**



FY 2001 Projects (revised 1/24/01)

COURSE	LOCATION
C4I Reconfigurable Lab (procurement & install)	FTC S.D.
C4I Reconfigurable Lab (procurement & install)	FTC Norfolk
Yeoman "A" (Tech Demo Project completion)	NTTC
Advanced Electronic Tech Core-NIDA	SSC Glakes
STS Digital Electronicsx (NIDA upgrade)	FASW
Electronic Key Mgmt System	NETC
Steelworker "A"	NCTC Gulfport
Second Class Diver	NAVDIVESALVSCOL
FAST- Study Skills (install only)	RTC Glakes
Retail Ordnance Logistics Mgmt Sys (install only)	FCTCL
Retail Ordnance Logistics Mgmt Sys (install only)	FTC S.D.
Multi-TADIL Operations	FCTCLANT
Multi-TADIL Operations	FCTCPAC
MK86 Gunfire Control System	FCTCL
MK86 Gunfire Control System	FTC S.D.
Data Link Maintenance	FCTCL
Engineering Duty Officer Basic	EDOSCOL Port



QUESTIONS ?

